

Keerthana Reddy

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PROFESSIONAL SUMMARY

Detail-oriented and results-driven Computer Science graduate with proven experience in backend and full-stack development. Skilled in designing scalable REST APIs, deploying microservices on cloud infrastructure (AWS), and working across the SDLC using Java, Python, Spring Boot, Flask, SQL, and React. Strong collaborator with a passion for solving complex problems, building data-driven solutions, and continuously learning in fast-paced environments.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks/Libraries: Spring Boot, Flask, Node.js, React.js

Databases: MySQL, PostgreSQL, MongoDB

Tools/Platforms: AWS (EC2, S3), Git, GitHub, Docker, Postman

Concepts: REST APIs, CI/CD, Data Structures, OOP, Agile, Version Control

EDUCATION

University of North Texas

Aug 2023 – May 2025

Master of Science in Computer Science

B.V. Raju Institute of Technology

2015 – 2019

Bachelor of Technology in Computer Science

PROFESSIONAL EXPERIENCE

JPMorgan Chase & Co. (Software Engineer)

Jan 2022 - Apr 2023

Hyderabad, India

- Developed and maintained scalable RESTful APIs using Java (Spring Boot) for real-time transaction systems.
- Engineered batch data pipelines using Python and optimized **Postgres/MySQL queries** and **MongoDB** access; built ingestion jobs & pagination/caching for throughput.
- Implemented containerized microservices using Docker, deployed on AWS EC2 with secure S3 data storage.
- Built and maintained CI/CD pipelines using Git, GitHub, and Jenkins for version-controlled automated deployments.
- Wrote test cases and automation scripts for robust integration and performance testing.

Western Union (Software Developer)

Jul 2019 - Dec 2021

Hyderabad, India

- Designed backend systems using Flask and PostgreSQL to detect and report fraud patterns.
- Developed web dashboards using React.js and Designed & maintained **high-performance REST services** (Java/Spring, Node).
- Wrote advanced SQL queries, stored procedures, and optimized indexing strategies across relational databases.
- Converted legacy services into microservices architecture and deployed them using AWS EC2 and Dockerized and CI/CD with GitHub/Jenkins.
- Reduced tech debt via refactors, better error handling, and test coverage.
- Followed Agile practices using daily standups, Git for version control, and Jira for sprint tracking.

OpenText (Software Developer Intern)

May 2018 - Jul 2019

Hyderabad, India

- Contributed to internal Java Spring Boot applications with integrations into MySQL for backend logic.
- Built UI components using HTML, CSS, and JavaScript with validation support for internal tools.
- Supported Git-based versioning of modules and managed QA bug fixes and regression testing.
- Used Postman to test and validate REST endpoints during iterative backend development cycles.
- Partnered with infra on deploy/monitoring; familiar with **Kubernetes concepts**.

PROJECTS

Palantir Foundry CRM Data Pipeline

Independent Project | 2025

- Designed and deployed a customer-company matching pipeline in Palantir Foundry using Python and SQL.
- Implemented data ingestion, transformation, and export workflows across multi-node systems.
- Debugged and refined multi-step logic to align input datasets with real-time user selections.

Technologies used: Python, SQL, Palantir Foundry, Data Pipelines

Spotify UI Clone

Frontend Project | 2025

- Built a responsive and interactive Spotify UI clone using React.js and styled-components.
- Integrated playback controls and state management with React hooks.

Technologies used: React.js, JavaScript, CSS, HTML

Bookstore API

Backend API Project | 2025

- Developed RESTful CRUD API using Node.js and Express with MongoDB integration.
- Implemented JWT-based authentication and protected routes.

Technologies used: Node.js, Express.js, MongoDB, JWT, Postman

LINKEDIN & GITHUB

LinkedIn: [linkedin.com/in/keerthanareddyp](https://www.linkedin.com/in/keerthanareddyp)

GitHub: github.com/Keerthana-Reddy-Panyala